**Task 1 – Web Scraping**

**Project Overview**

This project demonstrates web scraping to collect public datasets from websites.

Two approaches were used:

1. Python Script – Automated scraping using requests , BeautifulSoup, and pandas.

2. No-Code Tools – Optional scraping using Octoparse or ParseHub for beginners.

**Dataset**

- Target website: [Books to Scrape](http://books.toscrape.com)

- Data collected: Book Title, Price, Availability

- Saved as: books\_dataset.csv

**Python Script**

- task1\_scraper.py fetches multiple pages automatically.

- Extracts relevant information using HTML tags and CSS selectors.

- Saves the cleaned data into CSV format.

**No-Code Alternative**

- Tools like Octoparse or ParseHub can scrape the same website without programming.

- Users click elements to select data, handle pagination, and export CSV/Excel.

**Conclusion**

The project successfully created a **custom dataset** using both coding and no-code methods. This dataset can be further used for data analysis, visualization, or machine learning tasks.